My employer is a private land surveying and engineering firm working in the western states of Oregon, Washington, California, Idaho, Montana, Alaska.

Currently our organization has over $250,000 dollars worth of High precision GPS hardware and $50,000 worth of GPS software that we utilize daily to perform surveying services. We utilize this equipment and GPS technology, to perform approximately 4-10 million dollars worth of surveying work annually for contract clients such as Bonneville Power administration, Bureau of Land Management, United States Forest Service, FAA, local and state jurisdictional entities such at State parks, local municipalities and utility companies as well as private individuals.

As one can imagine our work and our clients demands heavily rely upon the seamless operation of our already well established Global Positioning System. To allow the damaging affects to this GPS system by Lightsquared's proposed tower signal interference would not only be a major set back to our firm and clients but a setback in the global growth of our nation as a technology leader. The signal interference that would be created by the Lightsquared towers has not only been shown to detrimentally effect the GPS signal once but now twice, in both rounds of testing the catastrophic failure has been detected by current high precision GPS receivers.

Why are other nations trying to build up their GPS systems yet we are allowing the potential catastrophic removal of ours??? At the least, the FCC should be carefully taking the proper amount of time to look at the damaging affects that the Ground based stations pose to the GPS signal.

I urge you to not rush hastily into a decision that allows approval of this spectrum proposal. If you do, you are throwing away solid recommendations of non-compliance by the technical working group and potentially just waiting for the first catastrophic failure of current GPS technology. Maybe that failure is a simple ambulance losing their way to get to a patent or maybe its a GPS guided airplane collision that happens within range of a tower signal.

Respectfully,
Jered McGrath PLS